

Focus Area 16: Maternal, Infant, and Child Health

Objective 16-1f targets the reduction in the infant death rates due to birth defects to 1.1 per 1,000 live births.

A total of 740 California infants born in 2000 died from birth defects in their first year of life, at a rate of 1.4 per 1,000 live births based on data extracted from the Birth Cohort Files (Figure 16-1f, Table 16-1f). A total of 726 infant deaths were reported for 2001 and 732 were reported for 2002, at rates of 1.4 per 1,000 live births. California's infant death rate due to birth defects remained unchanged between 2000 and 2002, and remained higher than the target established in HP2010.

Data by race-ethnicity of the mother show that Black/African American mothers (1.5 per 1,000 live births in 2000, 1.7 in 2001, and 1.4 in 2002) and Hispanic/Latino mothers (1.6 per 1,000 live births in 2000, 1.5 in 2001, and 1.6 in 2002) had the highest cohort infant death rates due to birth defects. Cohort infant death rates due to birth defects for Whites (1.1 per 1,000 live births in 2000, 2001, and 2002) and for Asians (1.1 per 1,000 live births in 2002) indicate the HP2010 target is being achieved for these race-ethnic populations. Death rates for American Indians/Alaska Natives, Native Hawaiian/Other Pacific Islanders, and the "Multirace" populations were unreliable due to the small numbers of events and are not reported here.

Examined by age of mother, the highest reliable cohort infant death rates due to birth defects occurred for mothers aged 35 years and older (1.8 per 1,000 live births in 2002), followed by mothers aged 15-19 (1.5 per 1,000 live births in 2002). The HP2010 objective is not being achieved for any maternal age groupings as of 2002.

Cohort infant death rates for male infants (1.4 per 1,000 live births in 2002) were not significantly different from female infants (1.3 per 1,000 live births in 2002). The HP2010 objective is not being achieved for either male or female infants as of 2002.

For more information on birth defects in California, visit the Genetic Diseases Branch Web site at:

<http://www.dhs.ca.gov/org/pcfh/GDB/gdbindex.htm>

and the Birth Defects Monitoring Program Web site at:

<http://www.cbdmp.org/>

For more information on Healthy People 2010 objective 16-1f, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#_Toc494699661

and

<http://www.healthypeople.gov/Document/html/tracking/od16.htm#fetaldeaths>

Figure 16-1f
Infant Death Rates Due To Birth Defects
By Race-Ethnicity and Age of Mother, Sex of Child
California, 2000-2002

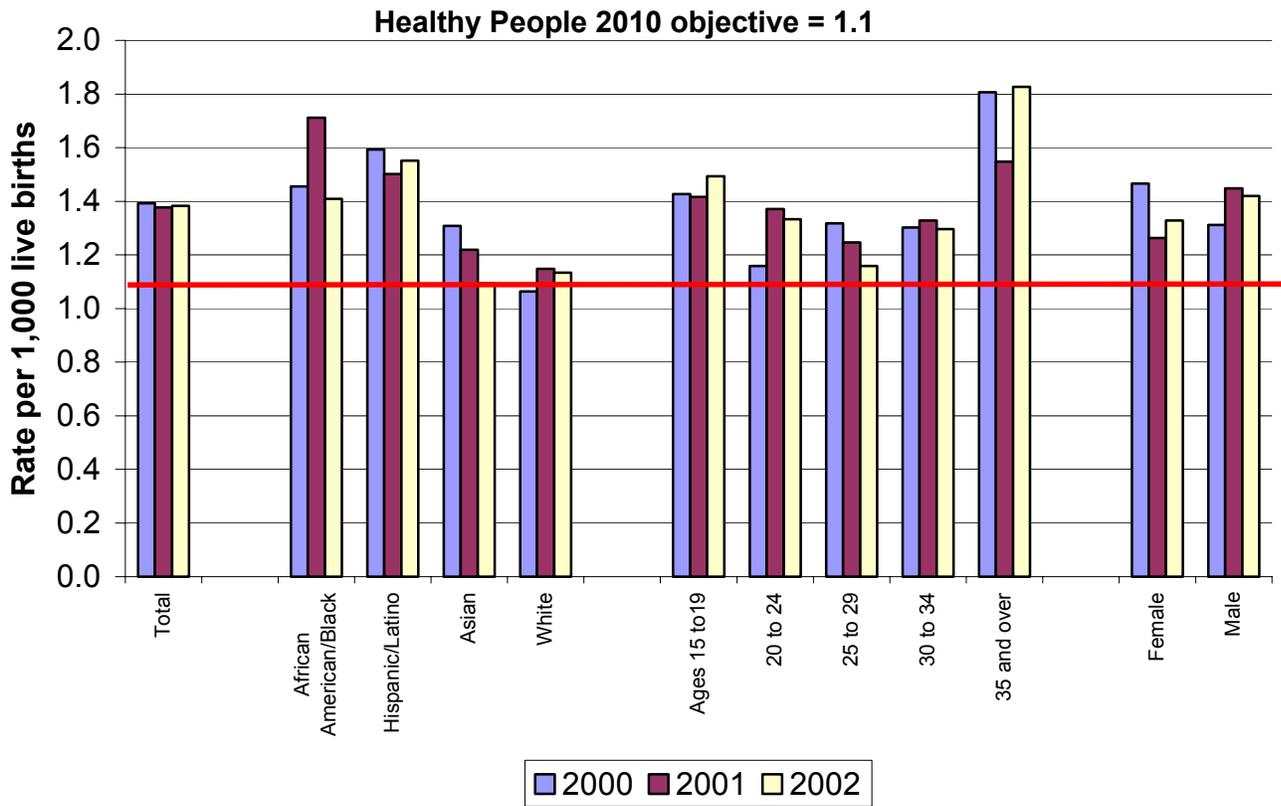


Table 16-1f
Infant Deaths and Death Rates Due To Birth Defects
California, 2000-2002

Cohort Infant Death Rates*	2000					2001				
	Infant Deaths	Live Births	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	Infant Deaths	Live Births	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target			1.1					1.1		
CALIFORNIA TOTAL	740	531,313	1.4	1.3	1.5	726	527,452	1.4	1.3	1.5
Race-Ethnicity of Mother										
African American/Black	47	32,290	1.5	1.0	1.9	53	30,971	1.7	1.3	2.2
American Indian/Alaska Native	2	1,975	DSU	-----	-----	3	1,986	DSU	-----	-----
Asian	77	58,872	1.3	1.0	1.6	70	57,444	1.2	0.9	1.5
Hawaiian/Pacific Islander	4	2,376	DSU	-----	-----	4	2,356	DSU	-----	-----
Hispanic/Latino	411	257,963	1.6	1.4	1.7	392	261,022	1.5	1.4	1.7
White	179	168,219	1.1	0.9	1.2	188	163,787	1.1	1.0	1.3
Multirace	6	6,254	DSU	-----	-----	7	6,388	DSU	-----	-----
Maternal Age Group										
Under 15	5	895	DSU	-----	-----	1	810	DSU	-----	-----
15 - 19	79	55,375	1.4	1.1	1.7	75	52,972	1.4	1.1	1.7
20 - 24	142	122,581	1.2	1.0	1.3	169	123,231	1.4	1.2	1.6
25 - 29	184	139,604	1.3	1.1	1.5	170	136,448	1.2	1.1	1.4
30 - 34	166	127,509	1.3	1.1	1.5	170	127,951	1.3	1.1	1.5
35 and over	154	85,251	1.8	1.5	2.1	133	85,948	1.5	1.3	1.8
Sex of Child										
Female	380	259,218	1.5	1.3	1.6	326	258,171	1.3	1.1	1.4
Male	357	272,089	1.3	1.2	1.4	390	269,268	1.4	1.3	1.6

Cohort Infant Death Rates*	2002				
	Infant Deaths	Live Births	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Target			1.1		
CALIFORNIA TOTAL	732	529,334	1.4	1.3	1.5
Race-Ethnicity of Mother					
African American/Black	42	29,809	1.4	1.0	1.8
American Indian/Alaska Native	3	1,966	DSU	-----	-----
Asian	65	59,376	1.1	0.8	1.4
Hawaiian/Pacific Islander	5	2,411	DSU	-----	-----
Hispanic/Latino	408	263,056	1.6	1.4	1.7
White	183	161,486	1.1	1.0	1.3
Multirace	6	6,812	DSU	-----	-----
Maternal Age Group					
Under 15	0	743	0.0	0.0	0.0
15 - 19	75	50,209	1.5	1.2	1.8
20 - 24	164	123,066	1.3	1.1	1.5
25 - 29	159	137,242	1.2	1.0	1.3
30 - 34	169	130,377	1.3	1.1	1.5
35 and over	160	87,611	1.8	1.5	2.1
Sex of Child					
Female	344	258,896	1.3	1.2	1.5
Male	384	270,429	1.4	1.3	1.6

SOURCE: California Department of Health Services, Birth Cohort Perinatal Files, 2000-2002.

NOTES: * Cohort files contain linked birth and death records for infants born in the same calendar year and followed for one year to determine how many died in their first year of life; deaths due to birth defects are defined by ICD-10 codes Q00-Q99.

¹ Rate per 1,000 live births; by mother's place of residence.

DSU Data Statistically Unreliable due to small number of events.